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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,368	03/17/2004	Steven A. Lewis	H0004143-1140	3798
128	7590	06/09/2006	EXAMINER	
HONEYWELL INTERNATIONAL INC.			CASAREGOLA, LOUIS J	
101 COLUMBIA ROAD			ART UNIT	
P O BOX 2245			PAPER NUMBER	
MORRISTOWN, NJ 07962-2245			3746	

DATE MAILED: 06/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/802,368

Applicant(s)

LEWIS, STEVEN A.

Examiner

Louis J. Casaregola

Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) 17-23 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-16,24-25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 6/14/04 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

### ***Election***

Applicant's election of the invention of Group I, apparatus claims 1-16 and 24-25, is acknowledged. The species election requirement included with the restriction requirement in the last office action is considered moot since the individual species appear to be recited only in non-elected method claims 17-23. An action on the merits of elected claims 1-16 and 24-25 is set forth below, and non-elected claims 17-23 are withdrawn from further consideration.

### ***Objections To Drawing***

The drawing in this case is objected to under 37 CFR 1.83(a) for the following reasons:

Pursuant to § 1.83(a), the drawing must show all features of the claimed invention. Claims 24 and 25 recite a boost pump (claim 24, line 4), but no such element appears in the present drawing. The drawing must therefore be amended to show the missing element.

### ***Objections To Claims***

Claims 1-16 and 24-25 are objected to under 37 CFR 1.75(d) and/or 1.75(a) for the following reasons:

Pursuant to § 1.75(d), terminology in the claims must find clear support or antecedent basis in the description of the invention. Certain terms used in the present claims however are inconsistent with the terminology used by the specification and drawing to describe the invention. Throughout claims 1-16 and 24-25, the gas generator metering valve is designated as the "first metering valve" and the augmentor metering valve(s) as the "second" and/or "third" metering valve. The preferred embodiment of the invention however designates the gas generator metering valve as the "main metering valve" (element 58) and further designates the augmentor metering valves as the "first metering valve" (element 76), the "second metering valve" (element 80), and the "third metering valve" (element 84). Such inconsistent use of terminology makes it difficult and confusing to compare the claims with the disclosed embodiment of the invention. To correct this problem, it is suggested that applicant amend the claims to recite the gas generator metering valve as a "main metering valve" and the various augmentor metering valves as a "first augmentor metering valve", "second augmentor metering valve", etc.

Claims 24-25 additionally refer to the gas generator fuel pump as a "first fuel pump" and the augmentor fuel pump as a "second fuel pump" (claim 24, lines 6 and 12).

The disclosed embodiment of the invention however describes these elements as a "main fuel pump" (element 56) and an "augmentor fuel pump" (element 64). The claim language reciting the pumps should therefore be amended to be consistent with the language in the disclosure.

Claims 24 and 25 further describe the augmentor fuel system as having first and second fuel line branches with second and third metering valves (claim 24, lines 15-16 and 18-19). This claim language is inconsistent with the disclosed embodiment's first, second and third branches 70, 72 and 74, and the related first, second and third metering valves 76, 80 and 84. The claimed fuel line branch and valve arrangement should consequently be amended to properly correspond with the language used to describe the preferred embodiment.

Claim language describing the respective location and control input of the diverter valve as "downstream of said second metering valve" (claim 24, line 22) and as "controlled by said third metering valve" (claim 25, line 2) is likewise inconsistent with the description of the disclosed invention and should be amended accordingly.

Claims 24 and 25 additionally refer to "a second and third nozzles" (claim 24, line 12). This expression contains a grammatical and error - the article "a" does not agree with the plural form "nozzles". The article should therefore be deleted from the cited expression.

***Allowable Subject Matter***

Claims 1-16 and 24-25 contain allowable subject matter and will be allowed if amended to overcome the objections set forth above. Allowance of the present application is further contingent upon cancellation of non-elected claims 17-23.

***References***

Brown, Card, and Miles are cited as disclosing examples of prior art gas turbine fuel systems that include interrelated fuel controls for both gas generator and augmentor sections.



L. J. Casaregola  
571-272-4826 (M-F; 7:30-4:00)  
571-273-8300 FAX  
June 5, 2006

If repeated attempts to reach the examiner by telephone are unsuccessful, the art unit supervisor, Timothy Thorpe, can be reached at 571-272-4444.

Information regarding the status of this application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, and status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).